

BACTERIOLOGICAL REVIEWS

FOUNDED IN 1937

Published by the SOCIETY OF AMERICAN BACTERIOLOGISTS

VOLUME 19

March, 1955

NUMBER 1

Editor

PERRY W. WILSON

Department of Bacteriology
University of Wisconsin
Madison 6, Wis.

Associate Editors

JACK J. R. CAMPBELL

THOMAS FRANCIS, JR.

ALWIN M. PAPPENHEIMER, JR.

JEROME T. SYVERTON

C. B. VAN NIEL



Contents

| | | |
|--|--|----|
| On Radicalism and Conservatism in Science | C. B. VAN NIEL .. | 1 |
| Vesicular Exanthema of Swine | S. H. MADIN AND JACOB TRAUM .. | 6 |
| Symposium on Radiation Effects on Cells and Bacteria | ALBERT KELNER, W. D. BELLAMY, G. E. STAPLETON AND MAX R. ZELLE | 22 |
| Definitions of Bacterial Oxygen Relationships | RICHARD H. McBEE, CARL LAMANNA AND OWEN B. WEEKS | 45 |